

5 **WHAT IS CLAIMED IS:**

1. A composition comprising IL-11, glycine and a cryoprotectant.
2. The composition of claim 1, where said cryoprotectant is sucrose.
3. The composition of claim 1, where said glycine is present at a
concentration of about 100 to about 400 mM.
- 10 4. The composition of claim 1, where said glycine is present at about 300
mM.
5. The composition of claim 2, where said sucrose is present at a
concentration of about 0.5 to about 2.0 %.
6. The composition of claim 2, where said sucrose is present at a
15 concentration of about 1.0 %.
7. The composition of claim 1, further comprising a polysorbate.
8. The composition of claim 7, wherein said polysorbate is Tween-20.
9. The composition of claim 7, wherein said polysorbate is present at a
concentration of about 0.005 to about 0.1 %.
- 20 10. The composition of claim 7, wherein said polysorbate is present at a
concentration of about 0.02 %.
11. The composition of claim 1, further comprising an antioxidant.
12. The composition of claim 11, wherein said antioxidant is L-
methionine.
- 25 13. The composition of claim 12, wherein said L-methionine is present at
a concentration of about 1 to about 100 mM.
14. The composition of claim 12, wherein said L-methionine is present at
a concentration of about 10 mM.
15. The composition of claim 1, further comprising a buffering agent.
- 30 16. The composition of claim 15, wherein said buffering agent maintains
the pH of said composition in the range of from about 6.0 to about 8.0.
17. The composition of claim 15, wherein said buffering agent maintains
the pH of said composition at about 7.0.

- 5 18. The composition of claim 15, wherein said buffering agent is sodium phosphate.
19. The composition of claim 1, where said IL-11 is present at a concentration of about 1 µg/ml to about 20 mg/ml.
- 10 20. The composition of claim 1, where said IL-11 is present at a concentration of about 1 to about 5 mg/ml.
21. The composition of claim 2, comprising about 1 to about 5 mg/ml IL-11, about 300 mM glycine, and about 1% sucrose.
22. The composition of claim 7, comprising about 1 to about 5 mg/ml IL-11, about 300 mM glycine, about 1% sucrose, and about 0.02 % polysorbate.
- 15 23. The composition of claim 12, comprising about 1 to about 5 mg/ml IL-11, about 300 mM glycine, about 1% sucrose, about 0.02 % polysorbate, and about 10 mM L-methionine.
24. The composition of claim 23, having a pH of about 7.0.
25. The composition of claim 1, wherein said composition is lyophilized.